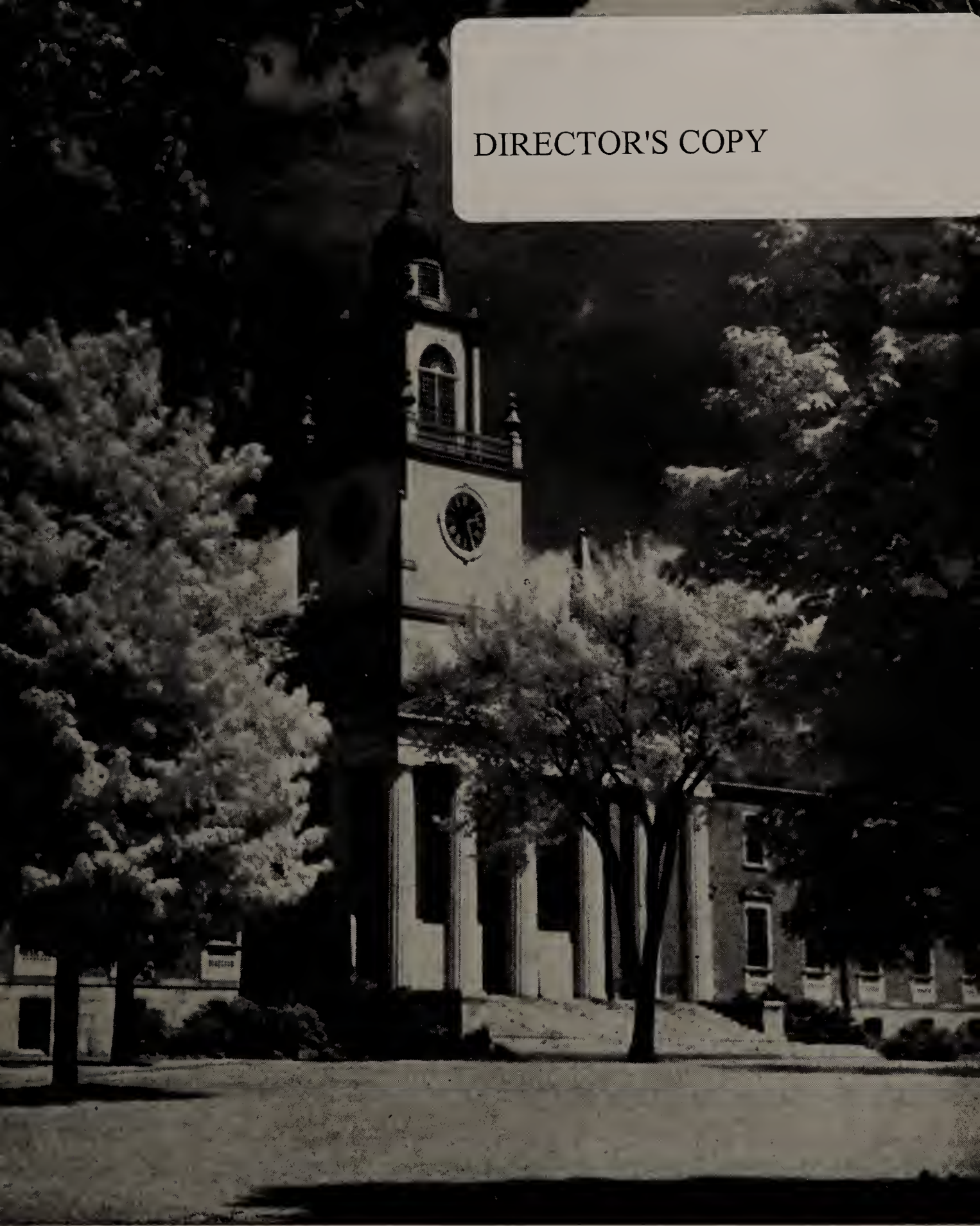


DIRECTOR'S COPY



The Andover Summer Session

Tues., June 24 — Wed., August 20, 1952

PHILLIPS ACADEMY, ANDOVER, MASSACHUSETTS



GEORGE WASHINGTON HALL
Administration Building and Auditorium



Phillips Academy

Phillips Academy in Andover, Massachusetts, is a college-preparatory, boarding school for boys. Now in its 174th year, Andover, as the Academy is often called, has an enrollment of over seven hundred students and a faculty of seventy-six. In the session, 1951-1952, its students came from thirty-nine states, the District of Columbia and fifteen foreign countries.

Phillips Academy is a liberal, modern school with a long tradition of national service and devotion to democratic ideals. It has always sought to develop in its students sound scholarship and manly character, with emphasis on resourcefulness, self-reliance, and independence.

Throughout the four years of its curriculum, Andover stresses thorough training in English, foreign languages, history, mathematics, and science. There are also other liberal arts courses. Large scholarship funds put the education which it offers within reach of any serious and able student in need of aid.

The town of Andover, in historic Essex County, is twenty-five miles north of Boston, from which it is easily reached by train, bus, or automobile.

The Andover Summer Session

The Summer Session is an integral part of Phillips Academy. It was instituted in 1942 primarily as a war-time measure to enable boys from Andover and other schools to finish their secondary school education before being

called to military service and to get training which prepared them more rapidly and thoroughly for national service, both in the war emergency and beyond.

The Summer Session now has other important functions. It offers many younger boys the stimulating experience of school life away from home, the opportunity of making friends with boys from diverse localities and backgrounds, and the challenge of rigorous preparatory school standards. It gives boys who are planning to enter Andover in the fall an opportunity to strengthen their academic preparation and to adjust themselves to Andover standards and life. It also assists students who are short of normal class standing to make up their deficiencies. *The Andover Summer Session is not a tutoring or cramming school.*

In view of the present national emergency and the renewed impact of the draft on boys of high school age, many boys will wish to take advantage of the opportunity offered by the Summer Session to take courses which will enable them to graduate before being called to service or which will give them a more thorough and complete preparation than the normal courses they had been expecting to take in their regular program.

If the situation changes materially during the spring, the Summer Session stands ready to modify and enlarge its program as seems necessary.

Up to the limit of its capacity, the Andover Summer Session welcomes **qualified boys from high schools and preparatory schools.**

The comprehensive curriculum of the Summer Session meets the varying needs of boys of different ages. Further, for all of its students the Session provides a well-rounded educational experience outside the classroom. All students attend daily assembly. In addition to daily sports, they participate in a rigorous program of body-building exercises.

THE SUMMER SESSION CURRICULUM

A brief description of the courses offered in the Summer Session is given on pages 15-18 of this catalogue. *No course will be given unless it has a sufficient enrollment.* The time-schedule of the recitations may, in some instances, restrict the free choice of courses. Applicants for admission are expected to make known the courses which they wish to take, and will be informed of any conflicts of hours as soon as the schedule is fixed. If there is sufficient demand, courses not offered in the catalogue may be arranged.

Summer Session courses are of three main kinds, described below: major courses; minor courses doing advanced work; minor review courses. In general, it is expected that boys who attend for the summer only will take new and advanced work rather than review courses designed to make up previous failures.

Major Courses

Major courses meet **two periods** a day, six days a week.

A major course is substantially the equivalent of a similar full course taken during the regular academic year at Phillips Academy. An Andover student who completes a major course in the Summer Session receives one unit of credit for it towards his diploma. Other secondary schools have been willing to give similar credit for such a course, but in each case individual arrangements must be made by the student with the school in question.

Minor Courses

Minor courses meet **one period** a day, six days a week.

One type of minor course does advanced work and carries one-half unit of credit. In this category are courses in mathematics and sciences.

The other type of minor is the review course which provides opportunity to make up work failed during the regu-



THE COCHRAN CHAPEL

lar school year or to strengthen foundations in basic subjects. Such courses are particularly helpful to a boy, who, planning to enter Phillips Academy in the fall, needs further grounding in the materials he will study the following year. Successful completion of a review course secures credit for that course at Phillips Academy without further examination.

THE NORMAL PROGRAM

Each boy's program is carefully planned by his faculty adviser.

Each boy must take at least twelve hours of class-room work, but may not carry more than eighteen hours.

RELIGIOUS SERVICES

A simple religious service is held on Sundays in the early evening. Students are required to attend either this service or a service in one of the town churches. The Academy minister will be a member of the Summer Session faculty and available for consultation with students.

PHYSICAL FITNESS AND SPORTS

The Summer Session has a comprehensive health and athletic program. Four days a week, each student, unless excused by the School Physician, takes part in body-building exercises. Designed to develop muscular coordination, good posture, strength, and physiological efficiency, these exercises have proved extremely effective in both the regular and summer sessions of Phillips Academy.

Organized sports follow the body-building exercises. Tennis, swimming, baseball, outdoor basketball, and informal track athletics are offered, with frequent intramural contests and tournaments. The numerous Academy playing fields, baseball diamonds, and tennis courts provide excellent facilities. On rainy days the Case Memorial Cage and the Borden Gymnasium are used.

At the opening of the Session a swimming test is given to each boy, and those who cannot swim are required to take lessons. Swimming instruction is also given to others who wish it. Emphasis is put upon a water-safety program.

Swimming is available in the Bobby Thompson Pond, an attractive small lake in the Moncrieff Cochran Sanctuary, ninety acres of woodland adjoining the Academy campus. In hours permitted for student swimming, a lifeguard is in attendance.

HEALTH SUPERVISION AND MEDICAL CARE

In addition to directing the physical fitness program described above, the Academy Department of Health supervises the Summer Session diet, the health of food handlers, the condition of the swimming pool and pond, and other aspects of community hygiene.

A separate building serves as the Infirmary throughout the Summer Session with a trained nurse in residence and a physician available. In an emergency, hospitals and specialists of the city of Boston can be reached within an hour. There is no charge for care at the Infirmary in the event of minor injuries or illnesses of short duration. Extra charges are made if the services of private nurses or consultants prove necessary, or in the event of injuries or illnesses involving a physician's attention and more than three days' stay at the Infirmary. After the third day at the Infirmary a charge of \$3.00 a day is made.

In order to assist parents in budgeting such expense for extra medical care, blanket accident and health insurance is provided at no extra cost to Summer Session boarding students. This insurance covers the cost of doctors' bills and hospital care up to \$250.00 for any one sickness or accident.

DISCIPLINE AND INDIVIDUAL RESPONSIBILITY

Attendance at the Andover Summer Session implies a serious purpose on the part of the student and a willingness

to assume a large measure of responsibility for maintaining order and for cooperating directly in the running of the Session. Rules are few and simple, and are based on the assumption that the student is willing and able to discipline himself.

Dormitories have faculty supervision. The students themselves perform some of the everyday tasks connected with the operation of the school. They make their own beds, keep their rooms in order, serve themselves at meals, and take their turn at the regular work of the dining hall. Every student is required to meet all his appointments.

With the exception of the first and last weekends of the Session, students in good standing may go to their homes or visit friends' homes on weekends, leaving after their last appointment on Saturday and returning in time for evening study hours on Sunday. Similar privileges are allowed for Saturday and Sunday day trips to nearby places. But all out-of-town excuses may be withheld if a student's record is unsatisfactory or if, in the judgment of the faculty, his work would suffer through his absence.

Any student who shows himself unwilling to conform to the spirit of the Session, who neglects his work, or who is believed to exercise an injurious influence upon others may be dismissed at any time.

The possession, the renting, or driving of any motor vehicle in the town of Andover is forbidden.

FACULTY AND EQUIPMENT

The Trustees and Headmaster of Phillips Academy have full authority over the Summer Session. Immediate control is in the hands of the Summer Session faculty and the Director. The faculty of about twenty-five men is drawn largely from the regular Academy teaching staff. All the buildings, equipment, and facilities of the Academy are available for the Summer Session. Classes are held in the regular classroom buildings and students eat in the



THE MEMORIAL TOWER

In memory of ninety-one Andover men who gave their lives in World War I

Commons and live in brick dormitories. The Oliver Wendell Holmes Library, containing over seventy thousand volumes, the Addison Gallery of American Art, and the museum of the Peabody Foundation for Archaeology are open throughout the summer.

THE DAILY SCHEDULE

7:15	Breakfast
8:15-9:10	Class or study hour
9:15	Assembly
9:35-10:30	Class or study hour
10:35-11:30	Class or study hour
11:35-12:30	Class or study hour
12:30	Lunch
1:30-2:25	Class or study hour
3:00-3:30	Body-building
3:30-5:00	Sports
6:00	Dinner
8:00	Evening study period begins
9:30	Lights out for the younger boys
10:30	Lights out for the rest of the school

On Wednesday and Saturday afternoons, there will be no body-building or required sports.

THE YOUNGER BOYS

Special provision is made for a limited number of younger boys who plan to enter the Junior, or first-year, class of Phillips Academy in September and who wish to gain experience for the regular Andover program. These pre-Juniors live by themselves under special faculty supervision. Unless ready for more advanced work, they study three subjects: Arithmetic, English, and either French or Latin. These courses are not accepted as college entrance units, but serve to strengthen a boy's foundation work and make the adjustment to the Fall Term in Phillips Academy easier and more satisfactory.

EXPENSES

The charge for a boarding student at the Summer Session is \$450, which covers tuition, room, and board. Each student is required to make a deposit of \$25 when his application is accepted. The balance of the charge is due in two installments: \$250 by July 1 and \$175 by August 1.

The charge for day students is \$175, which covers tuition and lunches, but no other meals. Day students are required to make a deposit of \$25 when admitted and to pay the balance by July 1.

All checks should be made payable to the Trustees of Phillips Academy. Preliminary deposits should be mailed to the Director of the Summer Session. July and August tuition checks should be mailed, upon receipt of bills, **directly to the treasurer of Phillips Academy.**

Dormitory rooms are equipped with furniture, bed linen, and blankets. Students must furnish their own desk lamps and, in addition to clothes, towels, and personal effects, such individual athletic equipment as they may wish. Expenses beyond the \$450 charge should be light. They will include small sums for personal laundry, books, incidentals, and spending money. Many of the books needed can be rented from the Academy Loan Library. All students are expected to live simply, and expenditures beyond the Summer Session charges and transportation need not exceed \$25.

SCHOLARSHIPS

Ten full scholarships of \$450 each and a number of additional partial scholarships will be awarded to boys of unusual promise not previously enrolled in Phillips Academy whose chief purpose in coming to the Summer Session is to prepare more effectively for citizenship. Scholarship boys will be expected to take some small job necessary to the smooth functioning of the Session, but such work will not interfere with full participation in the life of the school.

Awards will be based mainly on three factors: intellectual ability, character, and financial need. Also considered is achievement in some worth while activity outside the classroom; i.e., responsible participation in community affairs, student government, or other extra-curricular activity, or developed special interests of an intellectual or artistic nature.

Scholarship applications should be made on special blanks which will be furnished on request. These, together with the materials which they call for, must be returned to the Director by May 15. Awards will be made by May 25. Although funds for scholarship aid are limited, it is hoped that no outstanding student of serious purpose will be prevented for financial reasons from enrolling.

ADMISSION

Because of the purpose and nature of the Summer Session, entrance examinations are not required of regular Summer Session students. All students, however, must present acceptable evidence of serious purpose, good character, and ability to meet the scholastic standards of Phillips Academy. Whenever possible, a personal interview should be arranged. **Since the capacity of the Summer Session is definitely limited, early application is highly desirable.**

An applicant for admission should fill out completely the form in the back of this catalogue and send it, together with all materials which it requests, to the Director. The Summer Session will then send to the principal of the school which the applicant last attended a request for official records of his work and a certificate attesting his good character.

If a student wishes to obtain academic credit at his school for work done in the Summer Session, he should secure the approval of his principal in advance.



FROM THE PORTICO OF SAMUEL PHILLIPS HALL

Courses Offered

The number of courses a student is permitted to carry is stated on page 7 of this catalogue. Please read this carefully before filling out an application blank.

The symbol **R** after a course title indicates a review course. All other courses, whether major or minor, do new or advanced work.

Major courses ordinarily meet 12 hours a week and minor courses 6 hours a week.

MATHEMATICS

Mathematics 4 **12 Hours**

The regular fourth-year course in elementary mathematics. Prerequisite is the satisfactory completion of three years' work in secondary mathematics: namely, elementary and intermediate algebra and plane geometry. For the Summer Session the course comprises any **two** of the following three parts.

Any one part may be taken as a separate minor course.

Mathematics 4 T **6 Hours**

Plane trigonometry and logarithms.

Mathematics 4 S **6 Hours**

Solid geometry. Spatial relations, constructions, loci, and computations will be emphasized.

Mathematics 4 A **6 Hours**

The study of the following topics in advanced algebra: imaginary and complex numbers, the theory of higher degree equations, determinants, permutations, combinations, probability, scales of notation, undetermined coefficients, summation of series, inequalities and mathematical induction.

Mathematics 3 R **6 Hours**

A general review of plane geometry.

Mathematics 2 **12 Hours**

A course in elementary and intermediate algebra for which a thorough grounding in at least one year of algebra is prerequisite.

Mathematics 2 R **6 Hours**

A general review of elementary and intermediate algebra.

Mathematics 1 **12 Hours**

The beginning course in algebra covering the subject through the solution of simultaneous equations, one linear and the other quadratic.

Mathematics 1 R **6 Hours**

A general review of first-year algebra, designed to anticipate the second-year study in this field.

Arithmetic **6 Hours**

Basic preparation for the first year in mathematics in Phillips Academy, this course covers the fundamental processes with whole, fractional, decimal, and denominate numbers; percentage, simple interest relations and applications; square root; common tables of measures; mensuration of areas and volumes; elementary graphing of statistical material; and mental drill.

SCIENCES

Physics **12 Hours**

This course consists of two parts, given concurrently. Each part includes laboratory work. Successful completion of both halves of the course will secure credit for a year's work in Physics.

Either part may be taken as a separate minor course, although not in combination with a major course.

Physics A **6 Hours**

Mechanics and Heat.

Physics B **6 Hours**

Magnetism, Electricity, Light, and Sound.

Chemistry

12 Hours

Emphasis is placed upon an understanding of the fundamental concepts of chemistry and upon sound reasoning based on those concepts. Whenever possible, the applications of chemistry to post-war problems will be stressed. The course includes laboratory work.

ART

Old and New Art

6 Hours

Why is a Greek temple perched on a New York skyscraper? How does the livingroom rug change the apparent color of the walls? What do the Golden Gate Bridge and a rope walk of ancient China have in common? How can space be represented in a picture without the use of optical perspective? How real is a photograph? Questions such as these arise during the discussion of various art forms in the fields of architecture, sculpture and painting which are studied so as to establish a basis for understanding the appearance of the civilization we live in. Work in the studio is planned in relation to classroom discussion.

This course is intended primarily for the *general* student. No previous technical experience is required. The course will be limited to 15 students.

This course may be credited as equivalent to the regular course in Art and Music.

FOREIGN LANGUAGES

The Summer Session courses in French are conducted *exclusively* in the foreign tongue, following the methods in effect during the regular session. They aim to develop the four skills of reading comprehension, aural comprehension, speaking ability and writing ability.

The major courses in foreign languages are planned to meet the usual college entrance requirements for each year of study.

The following major courses, all of 12 hours, are offered: French 1; French 2; French 3; German 1; Spanish 1; Latin 2.

Except for Pre-Junior Latin, and Pre-Junior French, the minor courses in foreign languages are all review courses for students who have failed the work previously or who feel the need of additional training in order to strengthen their foundations.

The following review courses, all of 6 hours, are offered: French 1 R; French 2 R; German 1 R; German 2 R; Spanish 1 R; Spanish 2 R; Latin 1 R; Latin 2 R.

English 4 A	ENGLISH	6 Hours
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This course gives training in reading and writing at the level of English 4, with emphasis upon the analysis and exposition of ideas. The readings are mainly in the essay, the drama, and the novel. The composition work stresses the fundamentals of rhetoric, including organization of materials, paragraphing, and sentence structure.

English 3		12 Hours
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This course gives training in composition, with emphasis upon exposition, and upon the understanding and appreciation of various types of literature. It is a major course, the successful completion of which secures admission to English 4.

The other English courses are all review courses for students who wish to make up deficiencies in English or to strengthen their foundation in the subject. Each, at the appropriate level of difficulty, gives training in the basic skills of reading, writing, and speech, and in the understanding and appreciation of various types of literature.

The following review courses, all of 6 hours, are offered: Pre-Junior English; English 1 R; English 2 R; and English 3 R.

DIRECTED READING

In the Summer Session, all boys, whether members of English classes or not, are given the chance to read good books under the guidance of a teacher of English and of the School Librarians. This directed reading will bring great profit and pleasure to any boy who will avail himself of the opportunity.

MUSIC

Students are encouraged to bring with them their musical instruments. Pianos are available for practice and instruction in piano may be scheduled at moderate extra expense.

The Summer Session Faculty

John Mason Kemper, A.M., L.H.D.	<i>Headmaster</i>
Henry Hopper	<i>Associate Treasurer and Comptroller</i>
Richard Sawyer Pieters, A.M.	<i>Director</i>
Frederick Scouller Allis, Jr., A.M.	<i>Mathematics</i>
Alfred Graham Baldwin, A.B., B.D., D.D.	<i>School Minister</i>
Cornelius Gordon Schuyler Banta, S.B.	<i>Mathematics</i>
Gordon Gilmore Bensley, A.B.	<i>Art</i>
William Hayes Brown, A.M.	<i>English</i>
John Kingsbury Colby, A.M.	<i>Latin</i>
Roscoe E. Dake, S.B.	<i>Chemistry</i>
Frank Frederic DiClemente, S.B.	<i>Athletics</i>
Douglas Mansor Dunbar, A.B.	<i>Mathematics</i>
Alexander Dunnett Gibson, A.M.	<i>French</i>
Allen George Gillingham, Ph.D.	<i>German</i>
John Richard Lux, A.B.	<i>Mathematics</i>
Francis Bertrand McCarthy, A.B.	<i>English</i>
Peter Quackenbush McKee, A.B.	<i>Physics</i>
Donald Emery Merriam, A.M.	<i>Spanish</i>
Lionel Denis Peterkin, A.M.	<i>Latin</i>
Charles Henry Stevens, A.M.	<i>Latin</i>
Robert Bates Taylor, A.M.	<i>Spanish</i>
Stephen Whitney, A.M.	<i>French</i>

